

## ABSTRACT

A method and system are described that enable the construction of declarative applications, such as XDML, that can access DASE System services. DASE System services include among other things, channel switching and electronic program guide application within a broadcast environment established under the standards of Advanced Television System Committee (ATSC). For example, when a Program and System Information (PSI) application is stored in a Document Object Model (DOM) data structure or database, an Electronic Program Guide (EPG) application can be automatically generated using an EPG-transform method in accordance with the present invention. This method would: 1) Convert DOM structure into an XML document; 2) Apply an XML Style Sheet Transformation (XSLT) to the XML document; and 3) Render the resulting XML document using a conventional web-browser or XML renderer.

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